#### U. S. DEPARTMENT OF COMMERCE

ALEXANDER B. TROWBRIDGE. Secretary

# ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION ENVIRONMENTAL DATA SERVICE

# STORM DATA

SEPTEMBER 1967 Volume 9 No. 9



,		CAL	РАТН	E		. OF		ATED†				CAL	РАТН	E	NO. PERS			ATED†	SEPTEMBER 1967
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTÉR OF STORM
ALABAMA Southern Portion Mobile and Baldwin	5-7	Evening on 5th to	•		0	0	5	1 4	Rain, wind,	FLORIDA (Cont'd. Hillsborough County	)	2:53p.		ameter	0	0 les	0 north	0	Hail
Counties	La E	afternoon 7th ensive floo atre area.	Abou	t 30 ho	uses	damag	ted by	water	ily to Bayou boats torn	Palm Beach Palm Beach County	5	7:00a.							Funnel aloft
	At C	e from mod alf Shores	rings high ive da	and dan winds d	aged, rove Raini	rose dreds	s and e boa stima	bridg into	s washed out. fishing pier 12 inches ut moved on house. 75%	Pensacola Escambia County	7=8 Hea	vy rains	ielugei	the Pe	nsace	la a	rea wi	th the	fourth greatest in 1879. Streets
ALASKA	of o	lamage due	to rai	n and 2 repor	15% to	win		ageo .	nouse. 15%		Cou Sch	e washed rts. A b ool was a	out in ridge o lso was	the Bea n Site hed out	ch E Seven	ven Ros ere	Subdiv d lead was co	ision a ing to naidera	ind near Moreno George Stone ible local : 24-hour rainfall
ARIZONA Buckeye	5	6:00 a.				0	<b>կ</b>	3	Rain	Panama City	tot	als were	13.82 1	nches a	t the	She	rman F	ield No	ivel Air Station Airport Station.
Tucson (7 mis N)	bu	ally heave sinesses. 2:30 p.	r thun Minor	derston damage	to f	sed f arm 1	loodin ands. O	g of h	nmes and Funnel cloud	Bay County	9	6:30a. 3:45p.	:		0	0	3	0	Funnels aloft (3)
second // min it	Sm	1	Catal	na Mou	from ntain	north	west t	o sout	heast near	Key west	wir	rrif's card and hear	blow y rain	off H	ghwaj	7 I a	Jewf	ish Cr	ek in strong Funnel aloft
ARKANSAS CALI FORNIA				repo						Genado Palm Beach County	21	3:00a.							Tornado
Coachella Valley	C1 wh		rom se dhome	vere the	under		e cent	ed fla	Heavy Rain sh flooding nd businesses		des	e Departm	nt re	orted i	ive 1	ut 1d	ings d	amaged.	
Los Angeles Basin, Coachella Valley and surrounding areas.	fir	es in 3 Na	kes f	rom sev Forest	s, st	lectr ruck	and bu	med a	Lightning tarted forest everal homes, d injured 73,	Fort Myers Lee County  Monticello	21	4:00p.	•		0	0	3	0	Funnel aloft Lightning
	and win	caused ma	ny pou tuo tr	er fail affic d	pres. leaths	Loc	ally i	navy 1	ains and high	Jefferson County  GEORGIA	Ter	head of	1	ga stru		110	feedir	g from	a metal feeder.
COLORADO Arapahoe County	1	5:02 PM							Funnel Cloud	HAWAII IDAHO				repor	1				
Washington County	10	l:08 PM							r. Tornado o damage reported.	Meridian	Elev	9:15 p. en-year o in city	ld boy	appare	l tly garm	struc	k by i	ightni	Lightning ng in yard of line. Autopsy
El Paso County	abo	lstones 3/ out 10 mile	s nort	h of Co	lorac	ko Spi	ings.	Hail	Hail Black Forest area accumulated to 10 required to clear	South-Central and Eastern Areas	bur	aled deat	h from	corona	ry re	flex	shock 4	vith n	o evidence of Thunderstorms
Lincoln, Kit Carson, Washington Counties	roa 17	2:40 - 5:34 PM							Funnel Clouds	Lastern Areas	4:0 on	tning str p.m. wit farm 3 mil	uck Bi h only es sou	minor th of H	anag ansen	e, wi	ind der Win F	ablishe alls Co	ns County about d a 28 x 36' shed unty during the 150 tons of hay
	Thi jus mil eas	ree funnel south of les south o	Flagl f Limo t of A	er, one	ourti ourti	miles n was or mon	north repor	of Hu ted at	nd 3:05 PM, one go, and one 25 5:3L PM 15 miles touched ground,	Minidoka	at 1 30 Hai	Afternoon	in Jef	ferson than ma	Count rbles	y abo	out 8:	OD p.m. C Leaves	Hail from trees and
CONNECTI CUT DELAWARE	04	none was	ł	repor	1		;			ILLINOIS	CLO	s. Windo	es on	repo	de of	seve	ral b	llding	le demage to field s in Minidoka were
Southern half	15- 16								Hurricane Doria	INDIANA Wheatfield	A t	E.S.T. 9:10 p. ornado tou	ighed d	? own on	0 the s	1 south	4 edge	O of Whea	Tornado Efield and blew outside the build-
	eas	t. For a	time,	it ap	peare	th.	at thi	is mig	oast from the it be the first runatedly, it Indian River and tides 6% rom % inch to	, TOMA	ing	was hurle	d agai	nst the urned a	bu i l	lding i. S	. Ac ounds,	ar goir	ng down the road those of a train,
	17/2	t above ninches.	<b>Jamage</b>	was r	<b>e</b> Lati	∟ve⊥y	mino	r and	rom ½ inch to was mainly	IOWA Dubuque	ac	farmer didents.	drown Hea	ed, s	l vera 4 he	5 al i	5 njure rainf	d in t	Heavy rains lood related record at
FLORIDA  Lower Matecumbe  Nonroe County	2	-			0	1	3	0	Waterspout	KANSAS NE Portion	3	1:30 - 7:00 a.			0	0	5	ļ	Wind, hail, rain, lightning
	wa wa	own the oce	enside ifted d as t	of the	isk	and be	fore e and	turnin	the key and ran inland. The was miner. It memory of long-		in	Cloud, Mi	tchell 3/4° i	Ottawa dlame	a, Ric	ce an t Bel	d Sali dit.	ne cou	as reported nties; largest of rain in
Homestead Dade County		1							Funnel aloft	Winfield, near	12	Morning			0	0	4	0	Lightning
Dunnedin Pinellas County	Be	ail an inch	and a	half f	o In dia	ups ter	acco	0 mpanie	Hail by strong wind	Central, west- central portions	12- 13	12-13	1		0	0	4	<u>l</u>	Hail, wind,
	gu	sts broke	indov	ni, kance	ked (	lown a	powe	11ne	and caused		Ha:	l and win phtning da	d dama mage w	s repo	rted	near	northe Hoisir	en Tre	go County. nd Abilene.

	_			1		<del></del> -													SEPTEMBER 1967
	ĺ	CAL	PATH	Ę		OF SONS		ATED <sup>†</sup>				CAL	PATH	Ę	NO. PER		ESTIM. DAM		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P	WIDTH OF PATH (YARDS)	KILLED	NURED	PROPERTY	CROPS	CHARACTER OF STORM
KANSAS (Cont'd.) Bastern portion	ii.e	Early a.m.	ses we	re \$6,0	0 00 ir	0 Wyan	lı dotte	L Count	Rain, lightning	MAINE Northeastern	2-4	Washing a mostly 2	to 3 f	nches i	n app	roxi	sate t	iangle	Rain
Central, north- central portions	Ver 17- 18	oding occurrence and Night of 17-18	Neosh	o river	0	0	lı.	3	Rain, lightning, wind	Bastern	22-2.	bounded b Springfie S Washing a mostly 2 Aroostock	ld-Van	ceboro oding f nches i	areas O rom r n are	0 ains a fr	4 totali	0 ing	Rain
Central one-third	in	Russell ar ttered loc Night of 18-19	d Otte ations	wa conn	ties.	Oth O	er dar	age o	Courred at  Rain, lightning, hail	Southern	28-30	Machias c ) Washing s mostly 2	oestal nd flo to 3 i	area.	0 rom r	0 mins	4 total	0 ing	Rein
Sherman, Thomas	and	Smoky Hi	ll Rive						h. Solomon Lightning, hail	MARYLAND Southern half of Eastern Shore	15- 16	Evening to evening							Hurricane Doria
Counties		18-19 htning dam orted near			in th	e Goo	dland	area;	hail was		a ti	icane ap	peare	d that	this	mig	ht be	the fi	the east. For rst hurricane it turned more eported maximum
8 SE Jetmore	19 Tor ver	6:00 p. mado, veri	fied b	y photo op"; to	0 graph rnado	O Was move	2 "big d nort	on the	Tornado ground and and dissipated.		Rair was	ained win	ds 50 ged mo y min	⊢60 mpl stly f:	and on 1/2	tid inc	es 6 f h to 1	eet at 12 inch	eported maximum ove normal. es. Damage to the immediate
Republic County	3 m	iles. It	became	a funn	el al	ofta	nd mov	moved ed a d	Tornado eastward for istance of	MASSACHUSETTS Bastern	2	Early PM Scattered Cambridge generally	crush	ad by f	allen	tre	e. Hai	1	Wind, hail
Washington County	20 Fun		was s	Lghted				ngton	Funnel sloft	Gentral Central	14-1	in northe Hurricane levels an	estern cause d high	portio	o o nged and	l above	3 norma	l tide n kept	· 1
Washington, Riley Counties	20 Hai	Late afternoon  I up to 1' at Linn a	in di	? ameter	occur	0 red n	3 ear Ma	0 Inhatta	Hail n about 4:00 p.			many craft capsized after two 17th. On very litt hampered	even i boats e inju le rai transp	n harbo capsiz ry in i n on la ortatio	rs. ed in ncide nd bu n at	Ten Ips nt. t ex time	ersons ich Be Doria tensive s. Soo	rescu y ou caused fog	eđ (
KENTUCKY Logan County	21 Nea	10 a.	ille "a	sudden	cepor	t. A	man '	as kn	Lightning ide the barn" cked unconscious	Eastern half	28-3	Heavy rai produced over east to less t	n, wit storm ern ha	n great totals lf of s inches	0 most1 tate.	0 leld y 2 To	4 on 290 to 4 in tals to New He	ches pered mpshir	Rain
	but oth re- to sta	the man her men fe quire exam prevent a ated that	remaine lt some ination fall l it felt	id in a effect ; a man by grabb ; to him	hospi s of was ing b	tal f the I knock is ti	or furightness of front of the contract of the	ther ing strong his driver	no broken bones xamination. Two tike but did not tier but managed of a tractor tractor were	MICHIGAN		border, a Cape Cod. streets a rainfall.	t some Cons nd bas	coasts iderablements	l sta e loc in er	ion al f	s, and looding of grea	of test	
LOUISIANA Plaquemines Parish		5:00 a.m.			O	0	4		Tornado	1 N Lansing, Clinton County	A f	10:45am innel to ing towa	uchdo	m, da			2 garag	0 e and	Tornado nearby trees
	Hie 20 on	t winds re	torn	from a	out sool	at Po: Some	rt Sul	phur.	m. Metal roof Roofing loosened ed. Primary	Near Maybee, Monroe County	sma upe	large e 11 build	lings vas da	were t	opp1	ed 1	by hig eral t	h win rees	Windstorm bs and other ds. Some were felled
Terrebonne and St. Mary Parishes	Hie 15	ttered ove	ported h of E	ouma de	olis Lhun	hed b	y smal vards	l torr	Tornado  tor barn about ado, debris Funnel observed 50 acres of	Lake Michigan, Near Prankfort,	int 23	o the ci	ty li	mits.	7	?	4	0	t of Maybee
Calcasieu Parish	or	roar hear ercane blo more in Te ing mornin	errebon	n in ho	sesh St. M	oe-sh ary P	aped parishe	eth. Bin s	Rains 3 inches s many hours	Benzie County	per 40 whi	hour in miles pe ch swamp m to sho	the r housed ma are, s	early r by l ny fia even p	morn lpm, shing	resi booms	hours ulted ats. were	in 6- Some rowne	om 5-10 miles etween 30 to 10 foot waves were able to d. Heaviest
Orleans Parish	Lak 21	5:50 p.m.		ad.					Funnel cloud		mil	e streto re many	h fro	m Pt.	Bets	ie i	to the	Pran	d in the 4 kfort harbor rlier in the
Rapides Parish	22	2:45 p.m.			0	0 ranaf	4 ormers	0 and	Hail, wind, lightning moth-ball size	Crystal and Platte Lake area, Benzie County	1		ls alc	aft rep	0 porte	0 ed, :	0 no dar	0 Lage o	Funnels aloft
State	hai 29- 30	l reported	in Al	exandri					Umusually cocl	MINNESOTA  Elmore Faribault County	16	4:30 p.			0	0	0	4	Hail
	Man Det	y new reco	ord low	temper logical	ature Data	s for	month isians	of Sept	ptember reported. ember 1967 issue.			fell for	10 mi	nutes d	estro	ying	much o	f the	crops in a 2x4 mile

See reference notes at end of table.

									<del></del>					_					SEPTEMBER 1967
		LOCAL	F PATH	PATH S		OF SONS		ATEDI AGE	CHARACTER			LOCAL	PATH	PATH (3	NO. PER	OF SONS		ATED <sup>†</sup>	CHARACTER
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM
MINNESOTA (Cont'd Edgerton Pipestone County	l	evening			0	0	3	0	Lightning	NEVADA White Pine County	8	13:40 p 14:00 p.		not known	0	0	. 0	0	Tornado
		ked out a rural ar		Former.	Ele	ctric	1ty of	fthro	ughout night in a		obse	rved for about	bout 1	minute	s. I	imbe rted	rley r that	adar o	d at 13:40 and oserver observed thed the ground ads. The cloud
MISSISSIPPI Mississippi Gulf											funn	el formed	and re	formed	about	; 3 t	imes d	uring	the 15 minute
Coast	home	flooded along Mi	ssissi	ppi Gul	L Coa	st ar	d for	ges a	iles	NEW HAMPSHIRE NEW JERSEY	ľ	See dat	1	repor	1 1	1e.			
	acho	of the c	7th d	ue to i	pass	able	roads.	HARR	ISON	NEW MEXICO				1			01		
	pleas	Y: Over 4	repor	ted sin	king	in he	rbors	from 1	eight	Lea County	Wind	11:00 p. estimate	to or	er 80 m	iles	2 per	pont c		Wind 20,000 damage in iler house blew
	meas	inwater. ured at 2E rs brought	NE Pas	cagoula	. He	avy r	aine a	nd ri	ing		over	. Most d	amage 1	was to a	0018,	win	dows,	trees,	signs, and some
	Most	County so	hools	out on	7th b	ecaus	e of i	lood	conditions.		hai l	. Wind t	72 mi	ightning iles per	hour	ck 1	n Jal, lles s	accom	Roswell, Chaves
Jackson County	6 Stro	7:45 AM ag gusty w	inds s	sapped :	O		3 everal		Wind and	Otero County	Cour	1:15 p.				0	,	7	Hail
į.	dama (lat	ed two ot	ners a	t a Pas B8.6°W)	cagou On	la Ri	ver se	afood ashed	plant into	Cherry Councy	Twen	ty minutes	of ha	11 in 5	mile /2 1:				Rolls, northeast tops dented,
	dock	another Tempor	rammed ary in	a sist	ion o	at. f tel	Damage ephone	list.	d as ics re-		wind	shields c	acked	and ve	getat	ion	damage		sope usince,
	port	d scatter	ed are	as Pasc	agoul	a - M	oss Po	int v	cinity.	Sierra County	4	В:OO р.			4	0	95	С	Flash flood, wind,
Hancock County	1	5130 AM			0	] '	Li.	1	Thunderstorm, Lightaing		סחמים	hna menil	lina fi	nom hear	to red	lna i	h.the	ton Mo	llo and Animas
	Bay S	morning t. Louis	- Wave	land ar	ea.	Wavel	and re	e1den			nort	nwest of	ruth o	or Conse	queno paen	es.	Flood d auto	damag	ed irrigation ir families made mage to roofs, 0,000.
	mile	ning bolt away. L	Lghtni	hg stru	ck tr	ansfo	rmer i	nstal:	lation in		home	less and s	0 home	s damag	ed. amage	Wind est	and h	ail dan	age to roofs,
	house	where fi	re sta	rted.	Elect	ric p	ower 1	n Wav	into rear of land was	Dona Ana County	17	Afternoon			0	0	3	3	Flash flood
	were	cut off c	ausing	shorta	ge of	Wate	r. Ho		water pumps ned and		Heav flas	y rain in h flooding	mounts with	ins abo \$15,000	ve Le	asbu ge t	g, nor	th of cad be	Las Cruces, caused d and \$35,000
State	`	front of	struct	ure lef	t sta	nding	r	İ			dama	ge to coti	on and	other	crops				
State	29-30							L.	Unusual Cold	Melrose	i	4:30 p 5:00 p.			0	0	?		Heavy rain
	repo	d or near ted in ea	ch Div	ision o	t the	Stat	e. Ac	ditio	nal		Loca 2 fe	lized heav et of wate	y rair r in p	to ove	r 2 i with	nche:	damag	e hou	caused up to
		ls in Sep Mississi		1967 1	saus	of Cl	imato]	ogica.	4	NEW YORK									
MISSOURI	İ	,	None	repor	ed	] .		ļ	ļ	Western third		p. m. to early a.			2		%	С	Rain, floods
MONTANA					. ;							2.							
Eastern Montana	2	Forencon			0	0	0	?	Lightning		Col	d front mo Genesee	ving s River	pasin m	astws ornin	rd e	28th,	follo	h became stalled ding which
	"Dr	thunders	torms" ver co	set fi	res i Bet	n Phi	llips,	Garf	eld, Rosebud,		lat	s or low hours of	pressu 28th.	re cent Preci	ere s pitat	ion (	nortm	mara au uing is	ong front until to early a. m. of ending late eve- inches recorded Counties with an
	star	ted by li	ghtnin Llios	g strik	es.	Aroun	d 28,0	00 aci	fires were es of range d. Burned		29ti nin	of 28th.	heavy Heav	during	24⊷ orm t	to 21 otal:	-hour 4.5 1	pariod o 6.0	ending late eve- inches recorded
	ove	areas we	re not	so ext	ensiv	e els	ewhere	. The	fires were property loss.		in ext	djoining ension nor	thward	of Cat	terau Ld Ge	Dese	nd Al.	egany Valle	y; unofficial over nine was-
		ige estima					very .	, <b>,</b>	property loss.		ter	surement o most cour	r 8.0 ties r	inches	near als q	Olean f 3.	to 4	5 incl	es were general.
Billings L25 miles NKW), Yellowstone	1							-			and	its tribu	ntaries	. Some	90 £	amil:	les evi	cuated	from homes in
County	17	5:15 P.							Funnel Cloud		on.	Allegany F	liver w	es thir	d hig	hest	of rec	ord.	h as flood crest Flood waters de-
		ral peopl			nort	n of	Molt,	(S†i1	water County;		ty	lone, im	ndated	city s	treet	8, 8	special	1y C11	attarengus Coun- y of Salamanca,
NEBRASKA											1000	le missir	e in f	Debool	area	and 1	resum	d dead	houts. Two
Nuckolls & Clay Counties	1	Midnight	20	*1:	l o	0	Ъ	5	Hail		boar	te into La	ke Kri	e; boat	s lat	er r	COVET	d nitt	mept 150 pleasure only minor loss.
Countries	1	to 1 a d strip fr		1			-				sul	ed in lig	pht flo	od daza	ge to	pro	erty i	ut im	e Counties re-
	sion	al spots o	n nort	hward a	nothe	r 20	miles.	Sto	nes		tat	o and vege	table	crops i	n Elt	anto	cab ros	of G	nesee County.
1	Hail	accumulat	ed to	3" dept	h at	Edga	and t	0 5"		NORTH CAROLINA								}	1
Near Phillips	17	5:30p	4	*1	0	0	0	L.	Hail	Anson, Columbus, Hoke,	9						5	5	Rain
ireat Tilling	Ston	o 1 3/4".	<del>2</del> - 3/	ኪ፣ diam	eter	but s	few	anged		Surry, Wayne Counties									used flash floods
}	cent	er. Damag	e to c	orn and	milc	•					Some	overflowe losses i	a store	cco, cot	in t	ever	al wid	ely se ops.	parated areas.
Paxton area		4 p - 5 p		*it	0 lepth	0 of 21	0 in Pa	5 xton	Hail	Forsyth, Wake Counties	21	5-8 pm					4	0	Electrical, wind
	and late	up to 12" d in low p to be clea	south laces	est of to dept	town.	Dri 4 to	fts a	cumu-	nighways		wind	s which b	lew dos	n tree	and	brok	powe	t line	ed locally gusty s. Lightning set maged a home.
Giltner area		Afternoon		? e fused	0 into	0 1" p	0 1eces.	4	Ha11	NORTH DAKOTA Near Jamestown	15	1:45 p			0	0	0	0	Funnel clouds
5 N Hastings	20	2:42 p			0	0	0	٥	Funnel cloud		1	nted 3 no	theast	t and 10			l		
Hebron		5 p iderable h es up to 1		? to 1" d	0 Liamet	0 erwi	tha:	EM.	Hail	Hazelton OHIO	15	2:42 p	None	repor	0 ted	0	0	0	Funnel cloud
SW of Byron	20 0bse	5:10 p			o fly a	o nd re	o turn	o clo	Tornado ds.										

See reference notes at end of table.

		,																SEPTEMBER 1967
<b>-</b>	LOCAL	OF PATH ES)	PA™ S)	NO. C	)NS	DAMA		CHARACTER	. :		LOCAL	F PATH	PATH IS)	NO. PERS		ESTUM/ DAM		CHARACTER
PLACE	DATE TIME - LOCAL STANDARD	LENGTH O	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED.	INJURED	PROPERTY	CROPS	OF - STORM
OKLAHOMA Major and Garfield Counties	3 2:15p 3:00p.		*1	0		3		Rain, hail, and wind	OKLAHOMA (Cont'd Langley, Mayes County	18	4:10p.	1/2	300	0	0	2	3	Tornado and funnel aloft
	a path moving Lahoma area. deluged the a U. S. 60 near of 1 1/2-inch deep with som of feed crops	Unoffice during Lahoma, size. e drift.	outheasi cial rep ing the Hail It cove s.up to wind ser	ports storm avera ered t 6 inc	from 1 indica with ged 3/ he gro hes de	Turke Turke 4-incound :	o nor to l by Cre ch siz in pla nd car	to 70 MPH affected the of Meno to the 10 inches of rain the flooding onto the with largest these 2 inches ared complete lossings and toppled		empl It a rais Path tres 3 ap	oyee as increased southing aloft was marked specified trees	t dippoint of the court of the	ed to to heastwar innel a large l erent o	ree to rd the loft mbs lirec rees.	op le rough mas s of tr tions	vel in Grand ighted ses tw	east River at th isted fruit	n Authority side of Langley. Heights before s same time. together and was blown off
Helena, near, Alfalfa County	3 2:30p 3:45p.	-	es and l	0	- 1 -	?	7	Hail and wind	Nowata, Nowata County	east	4:20p. ral home to of Nowata	as st	ruck by	0 ligh	0 Ining Ire	4 4 mil destro	0 es nor yed th	Electrical th and 3/4 mile a home and
	where it wash Wind damaged	ed down	in the downed	dite dite	es and tric P	p11 oles	ed up 2 mi	east of Helena like snow drifts. les east of town, ills and buildings.	Tonkawa, Kay County	26	About 2:30p 2:33p.	Short	Narrow	0	0	0	0	Tornado
Woods County		storm					heast	Hail of Waynoka and		down	Oklahoma i for 3 min he city.	nutes	n open	field	ls 2	miles	ved a south	tornado touch and 2 miles west
	farmsteads in Some automobi was 1 1/2-inc	les wer t size Simils	loss of e dente stones r size	corn, d and and oc hail f	cattle cattle vered cell to	the	roofs wred. ground	mage to several and windows. Much of the hail 4 inches deep nwest of Waynoka	OREGON PACIFIC AREA Eniwetok		Morning		eported	0 '	0	0	0	Thunderstorms,
Kingfisher County	3 After 5:00p.	r communit	î w wooff	0		?		Rain, hail, and wind		win whi	de swept a	стова	Eniweto	k dum	ping	8.45	nches	rains and gale of rain, most of 68 miles an hour
	4.5 inches witerraces were water in the	ich rep washed underps so did h	ortedly out an ss sout eavy da	fell d one h of	in le: car w karch	55 th 15 ca 6. T	an an ught : he ra	hour. Field in seven feet of in, wind, and dings near Loyal	Wake Island	str	uction. E	ve rea	ched Wa	ke at	abou	t 10:4	O p.m.	Typhoon  ng trail of de- with central es an hour before
Buffalo, Harper County	3 About 6:00p. 6:15p.		7	0		7		Hail		ope sta pho	nometer fa to dreno iding. Da ne and com	illed. hing r mage t	Many r ains. p insta tions b	bofs Flyin llati y win	lifte g deb ons, d, ra	d from ris de housin	build nuded g, wat	ings, leaving them all trees left er, power, tele- surge estimated equire evacuation
	size with so meager, but	me as le cars, re arted a	rge as ofs, ar fire wi	2 5/8 d win lich d	-inch dows w estroy	size ere	Dan celiev	age reports were	Marcus Island	20	dependents Morning kening Typ			0	٥	7	0	Typhoon Marcus during early
Gage, Ellis County	with guets o	ng wind:	record	led at	the G	age k	irpor	Wind derstorm at Gage to The wind blew ndows and caused	PENNSYLVANIA	rep	ning with	peak s	usts to	86 m	iles	an hou	r. Or	ly minor damage  Thunderstorm
Meers, Communche County	3 8:45p. 9:15p.	- 7	7	0	0	0	0	Rain	Lansdale, Sucks Co.  Bucks and Montgomery		1.		e roof	of an	inn,	1 .	ng 515	00-%2000 damage. Lightning & Wind
	at Meers who	re an u t a 30-r	officia	l rep	ort in	dica	ed 3	nied by a deluge inches of rain g caused water to	Counties	an Co	d grain co unty prope	etents	Wind eaving	infl in it	icted s wal	minor	damag en wir	rn and its hay e on a Montgomery dow-glass, an
Bryan County	5-6 8:00p. 5th - 5:00p. 6th		*25	0	0	0	0	Rain	Bedford	20						4		Rain in the county.
Ponca City, Kay	moisture. H damage or fl 14 1:00a.	esvicet ooding v	rain fe	11 du	ounty ring t	furni he e	ished irly s	5 to 7 inches of brning hours. No Rain Rain	Franklin County	De an	d straw wa	of a b	ied on a	l loss	of a	stri	termir e in t	Lightning and amount of hay be Welsh Run area.
County	area causing Fire Station fell at the	the hea l reco airport.	viest d rded 4. Local	eluge 47 in floo ted a	durin ches o ding o	g the f rat ccum	lete n whi ed th	mediate Ponca City morning hours. Le 3.35 inches roughout the city ttle Lene, near	Perry County	pr co fo	apparent actically pper roofi undations,	tornad unroof ing off	touch	nie, t	re	over	an aut	Tornado eld where it omobile, peeled d a barn off its mildings.
	persons were	n West ts of th afterno	d from Grand A s city. on and	venue Hig 6 to	and to water inch	s and supor r clo es of	water arily sed to water	ead, at Righth Streets. Several rentered some flooded homes in the Hlackwell r was reportedly cell.	Cumberland County  Shamokin Area	21	e roof of rlisle wer	a barr re dama	aged by	high	wind.	5		Wind
Lake Creek area, Greer County	14 1:15a 2:00a Locally hear the area. 1	y rain				0 asun	0 offic	Rain		to di tr cs	re off a c srupted el- ees and thusing exte	convent lectric hrew li ensive twiste	roof, al, tel imbs ont damage,	flatt ephon thr move	ened e, an ee ho	a lumi nd tele omes as small	er con vision d five ern 20	of wind which wany building, service, felled vehicles, feet from its avillion atop
Tulsa, Tulsa County	a school var	di tungl	e gvn a	£ 5321	3 S. 6	5th W	est A	Electrical hile playing on venue. He was was about the	Chester County	21 J.i ma	8:30 p.	tarted	undeter	mined	amo	5 royed a	dair;	Lightning barn, farm ar Cochranville.

SEPTEMBER 1967 ESTIMATED! NO. OF PERSONS ESTIMATED! FIME - LOCAL STANDARD FIME - LOCAL STANDARD WIDTH OF PAT (YARDS) WIDTH OF PAT CHARACTER CHARACTER LENGTH OF (MILES) LENGTH OF (MILES) PLACE PLACE OF STORM PROPERTY PROPERTY STORM NJURED KILLED KILLED CROPS DATE PENNSYLVANIA (Cont'd.)
sedford 28 5:00 a. TEXAS (Cont'd.) 7:35 p ado dipp 0 0 a ٥ Tornado 3 Rain 10NE Georgetown Williamson County Numerous cellars were flooded drenching rains hit the area. in Buffalo ills nd Bedford when 0 0 Near Big Spring Howard County 15 0 0 Funnels aloft 5.500 p7.00 p

821. In size, Hurricane Beulah was the third largest hurricane of record, after Hurricane Carla of 1951 and the great New England storm of 1931. This storm reached unriciane intensity in the Carribean See near the Wilriward islands on September 8th. The hurricane entered the Texus coasts rear the nouth of the Rio Grente River at 8:000 a.m., on the 20th, then, losing strength gradually, followed a path parallaling the Texus coast. On the morning of the 21st, the hurricane was domgraded to a tropical storm near laties; the storm then took a southwesterly course to her death near Monterrey, Morico on the southersterly course recorded at Broomsville WRAS was 190 mp.h. from the northests at 3:19 a.m.; however, the amendator was discovered designed after the storm, so the actual wind speed experienced may have been higher. The S S Shirley Likes, docked at the Fort of Broomsville, recorded a pask gust of 136 m.p.h. hurri the passage of the hurricane. Hurricane forts winds extended as far north as Corpus Christi, where peak gusts of 86 m.p.h. were recorded at 135 p.m. on the 20th. High water marks on South Pathe Laland laft evidence of ticks as high as 2 f feet. Tides as high as 7 f device were reported at Ecokport. The greatest conventration of damage was in the Lower Rio Grande Valley. Port Heabel was very everely demaged; only the lighthouse and a new bank escaped damage. The 575,000 Prof Label Mills School was the corrected at 25 mills on the valley and coastal cities. Cituris fruit and twee damage in the Lower Rio Grande Valley. Port Liesbell, the second contract and the second contract was falled as a far that the sidned of the damage of the second contract. The same period — more plant the sidned of the second contract was falled as a far fall using the same period — more plant the party to receive a far fall during the same period — more plant the yearly noted for over a many falled provided and the provided second of 17 these tornadoes over continued for the body of the second of the contrac 28 Central Mountains early Ь Rain Upper Coast, South Central, Southern and Lower Valley 13 35 8 7 Hurricane Beulah Heavy rains flooded basements of many homes, particularly at Du Bois; at lock Haven the rains affected a sharp rise in the Suspulantan River, causing several boats and private docks to be event downstream over a dam. 6:00 p. Southcentral Areas 28 A windstorm blew over a machinery sied and damaged a house, berh, and silo near Gettysburg. At Millersburg wind blew sewbral boats into trees and damaged a chicken house, several small outbuildings, and two houses on a local farm property. PUERTO RICO 8:00 p., 9th -Ponce - Cabo Rojo 0 Hurricane Beulah, tides, winds, rain 6:00 a.. Hurricane Beulah moved to withis 100 miles south of Fonce by 8:00PM on September 9th on a westnorthwest course. The Hurricane passed just south of Mona Rassage on the 10th and took on a westerly course just south of Mona Rassage on the 10th and took on a westerly course just south at Dominican Republic. In Puerto Rico there was one leath by a man falling from the roof of his house. Most storm damage occurred in the coastal area between Cabo Rioja and the city of Phonce. About 16 leakeks were demolished by the rough sea and some 20 others damaged. Three small craft were destroyed and a number of others damaged or swept to sea. Plood waters destroyed a bridge and damaged several cars. About 40 persons were evacuated and given shelter. No money estimate is available for the area as a whole, but newspapers have estimated damages in the city of Ponce at \$150,000. Along the south colast of Fuerto Rico the highest recorded wind was a sistained 23 h. p. h. with a maximum gust to 36 m. p. h. at the Union Carbide Plant at Tallaboa Bay. Undoubtedly higher winds and guits were experienced fairther west between the bay of Cabo Rojo. The Puerto Rico Telephone Company reported various poles and wires down in the Cabo Rojo area. RHODE ISLAND None reported SOUTH CAROLINA None reported SOUTH DAKOTA ٥ 0 7:19 P 0 0 Torn Rapid City 15E oving from W to E in Cavour 4SB 15 0 0 3 eral times destroy rom SW to MB. nels were sighted. k while m s chicken hous 17 15-20 | \*3-5 0 0 3 5 Hail Harrington and Vicinity averaged 3/4 inch with largest inches in spots. Corn, pestur Storm moved from SW to ME. to 1 1/2 inch covered ground es and alfalsa crops were dem-Storm TENNESSEE None reported Hutchinson, Carson, Potter and Randall Counties 5:00 p-7:30 p 10 0 6 7:30 p

A severe wind and hallstorm caused an estimated \$1.5 million damage at the Pantex Ordnance Hant 10 miles east of Amarillo. An anenometer at the plant indicated peak winds over 100 mp.h. The storm cut a 10-mile wine path from Borger to Canyon. At Borger the heaviest damage was to the high school stadium where part of the diseachers were destroyed. Lesser damage occurred throughout the town to glass, sintennas, roofs, power lines, tree and automobiles. An airplane at the county sirport was flipped over. The winds knocked down five 100-foot transmitter towers 20 miles northeast of Amarillo. Two-inch hall was reported at the airport in Amarillo and a hailstone measuring 11 inches in circumference was found at lake Tanglascod. The hail and high winds also caused extensive crop damage along their path. winds also caused extensive crop dapage along their path.

3 8:45 p

A windstorm

A windstorm that struck Sudan dausing \$50,000 damage injured

Mr. and Mrs. Joel Thompson at their home three miles west of

Sudan. The storm, part of the widespread severe weather pattern

that hit other Panhandle and High Plains areas, moved into Sudan

at \$1:5 p.m. Winds up to 100 m.p.h blew wavy a 22,000 square

foot sheet metal warehouse and caused other widespread damage Sudan Lamb County 0 0 Tornado W Terminal Midland County 26 5:50 p | short narrow caused no UTAH VERMONT None reported u. s. VIRGIN IS. None reported A devastating hail, rain, and windstorm did at least \$3 million damage to crops in Castro County. Hall ranging up to golf-ball size and winds estimated as high as 100 mlp.h. did up to 100% damage to cotton, beans, tomates, etatates, carrots, and cucumbers at mid-harvest. The wind and Hall flattened sorghum, corn, soybeans, cashor beans and maize almost ready far harvesting. The storm cut the churty's 1907 agricultural production by 10-15%. A torrado was reported eight miles northesst of Nazareth. Buildings were damaged and power and telephone lines downed at Summyside. Castro County 3

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	OCAL	PATH	Ŧ	NO. PERS		ESTIM/	ATED†				'AL	PATH	Ŧ		. OF		AATED†	SEPTEMBER 1967
PĽACE	DATE TIMB - LO STANDARD	LENGTH OF P. (MILES)	WIDTH OF PATH (YARDS)	<b>אוררפס</b>	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P.	WIDTH OF PATH (YARDS)	אורפס	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
VIRGINIA	1 1			Ī	ī		i					-			•		•	
Eøstern Shore	Southeast Vi m.p.h. and g sea level pr inches at No at Virginia Damage was g damages most trees, roofs	rginia. usts re essure rfolk. Beach a enerall ly in c , awnin to mod	Cape sched 5 was 29. Highes nd 2.7 y light r near gs, sig	Henry 5 m.p 53 in st tid feet and the No	obse .h. a ches es we sbove consi orfol d bil	rvator t WBAS at Cap re 4 i norma sted c k area lboard	y had Norfo e Heno feet al al at l of num . Win	lk. Minimum y and 29.60 ove normal orfolk. rous minor	° Includes cr C Crop damage * Miles inste † Storm damag 1 Less tha 2 \$50 to \$ 3 \$500 to 4 \$5,000 t 5 \$50,000 6 \$500,000 7 \$5,000,00 8 \$50,000,9	ad o es a n \$5 500 \$5,0 o \$5 to \$	f yards re plac 0 00 0,000 500,000 \$5,000, 0 \$50,0	ed in 000 00,000	) 900		3 vai	rying	from	l to 9 as follo
WASHINGTON		None	repor	ted					Note: This pub	14	*****	_+		+	125	. <b></b>		a storms but
WEST VIRGINIA		None	repor	ted			l		due to the diff	icul	ties in	herent	in c	olle	ctio	n of	this	type of data,
WISCONSIN		None	repor	ted					it is not all-i	nclu	sive.	Delaye ber is	ed data	a and	d co:	rrect publi	ions o	will be car-
WYOMING Jackson 10 S	11 afternoon Lightning at: injuries.		road	0 const	2 ructio	On wor	o kers c	Lightning ausing minor	SUBSCRIPTION PE domestic, \$2,00 able to the Sur ence regarding	RICE: ) for erin	15 ce eign. stendent	nts pe Checks of De	er cop	y; y; none; ts.	earl; y or Rem	y sub ders ittan	scrip shoul ce an	tions \$1.50 d be made pay- d correspond-
Casper 5 E	17 4:05 p. Public repor Casper.	red e v	mnel c	loud :	near	Hat Si	I road	Funnel aloft area just east of	Documents, Gove	rnme	ent Prin	ting (	Office	, Wa	shin	gton,	D. C	. 20402." C. 10/31/67-10
Casper 60 W	17 5:08 p. Public repor	ted a fi	mnel c	loud	near	Hi land	+	Funnel aloft									-	
NEW JERSEY Ocean City		d 2 sm d demo The	lishe mothe:	d the	ir c d in	abin the	crui	Hurricane Doria en high waves er off Ocean of her										